SQUIZ KIDS SHORTCUTS

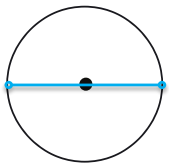
THE SECRET WORLD OF MATHS

Name: _____ Date: _____

Help Bryce do Maths!

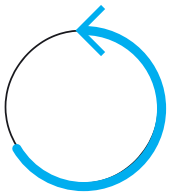
1. You need a pencil, ruler, and a cup or other round object to trace around. Trace the circle here.

2. Measure the diameter of the circle—the distance across the middle. Mathematicians use D as a shortcut for diameter.



D = _____

3. Estimate the circumference in centimetres. Mathematicians use the "C" symbol for circumference, and the "≈" symbol for "approximately equal to."



C≈ _____

4. The formula for finding the circumference of a circle using Pi is written C= πD. That means you multiply the diameter by 3.14. (We'll round Pi to two decimal places.) Grab a calculator and do that multiplication!

C = 3.14 x D

C = 3.14 x _____ cm

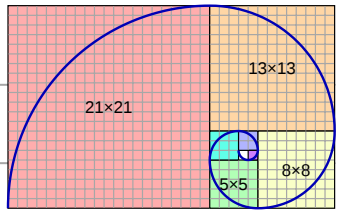
C = _____ cm

5. If you have time, use a piece of string to measure the circumference. Then measure the string on your ruler. Is there a difference?

_____

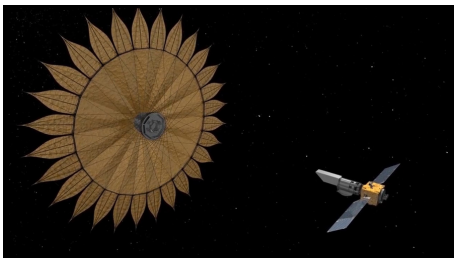
6. Now let's help Bryce with what's known as the Fibonacci sequence. The next number is found by adding up the two numbers before it. How high can you go?

1, 1, 2, 3, 5, 8, 13, 21



7. What were some reasons given for why these numbers appear so often in nature?

8. Which of the maths-jobs mentioned in the podcast is most appealing to you?



- ☐ Sport statistician
- ☐ Space exploration
- ☐ Medical device designer
- ☐ Anything involving money
- ☐ Artist

9. Why?

10. What other jobs would use maths?

11. Did this podcast change how you feel about maths? Why/why not?